

Title (en)  
Refrigerator

Title (de)  
Kühlschrank

Title (fr)  
Réfrigérateur

Publication  
**EP 0898134 A3 19991124 (EN)**

Application  
**EP 98306712 A 19980821**

Priority  

- KR 19970040252 A 19970822
- KR 19970040253 A 19970822
- KR 19970040254 A 19970822

Abstract (en)  
[origin: EP0898134A2] A refrigerator is disclosed and comprises a cooling compartment (3), a heat pump (11,12a,12b), means (13b) for driving cool air generated by the heat pump (11,12a,12b) through an aperture (26) into the cooling compartment (3). The refrigerator has flow directing means (31) associated with the aperture (26) including a discharge pipe (35) which is movable to vary the direction of flow of cool air into the cooling compartment (3). A motor for controlling movement of the discharge pipe (35) is also disclosed. <IMAGE>

IPC 1-7  
**F25D 11/00**; F25D 17/06; F24F 13/10

IPC 8 full level  
**F25D 17/08** (2006.01); **F24F 13/06** (2006.01); **F25D 17/04** (2006.01); **F25D 17/06** (2006.01)

CPC (source: EP KR US)  
**F24F 13/06** (2013.01 - EP US); **F25D 17/045** (2013.01 - EP US); **F25D 17/06** (2013.01 - KR); **F24F 11/79** (2017.12 - EP US); **F25D 17/065** (2013.01 - EP US); **F25D 2317/0653** (2013.01 - EP US); **F25D 2317/0672** (2013.01 - EP US); **F25D 2317/0682** (2013.01 - EP US); **F25D 2400/04** (2013.01 - EP US)

Citation (search report)  

- [YA] DE 1297504 B 19690612 - CLEFF KG CARL W
- [Y] DE 19641722 A1 19970417 - LG ELECTRONICS INC [KR]
- [A] US 3765317 A 19731016 - LOWE R
- [A] DE 2933083 A1 19810226 - KESSLER & LUCH GMBH

Cited by  
EP2750971A4; CN102331137A; CN113776273A; CN105222469A; US10386107B2; WO2007090697A3; US9487299B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0898134 A2 19990224**; **EP 0898134 A3 19991124**; **EP 0898134 B1 20030618**; CN 1111702 C 20030618; CN 1209535 A 19990303; DE 69815607 D1 20030724; DE 69815607 T2 20040429; JP H11118318 A 19990430; KR 100482001 B1 20050608; KR 19990023806 A 19990325; US 5946935 A 19990907

DOCDB simple family (application)  
**EP 98306712 A 19980821**; CN 98118393 A 19980818; DE 69815607 T 19980821; JP 23101398 A 19980817; KR 19980034168 A 19980822; US 13290098 A 19980812